

DMUX AND VATS ARE CONNECTED WITH OPTICAL FIBER LINES. WHEN FIBER LINE OF VAT IS DISCONNECTED, ATTENUATION AMOUNT THEREOF BECOMES ZERO.

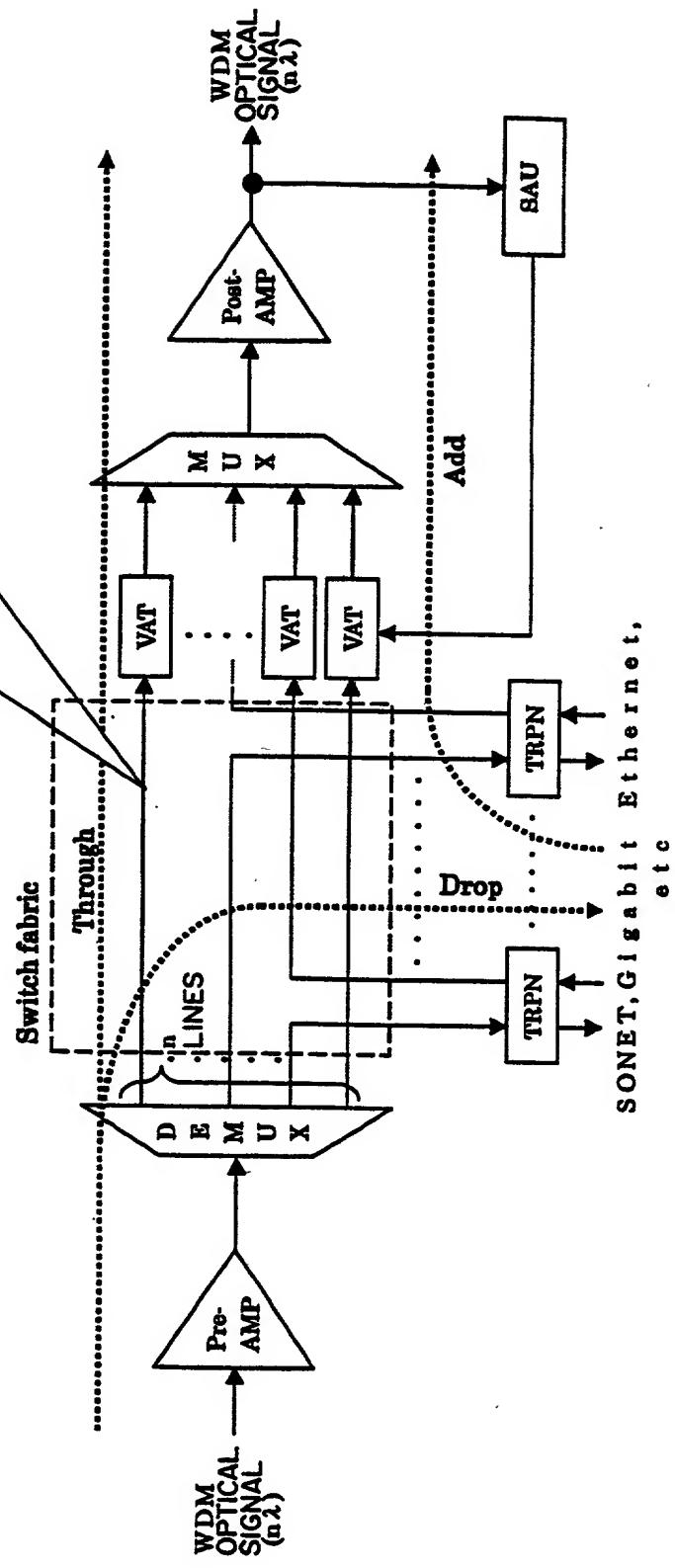


FIG. 1 PRIORITY ART

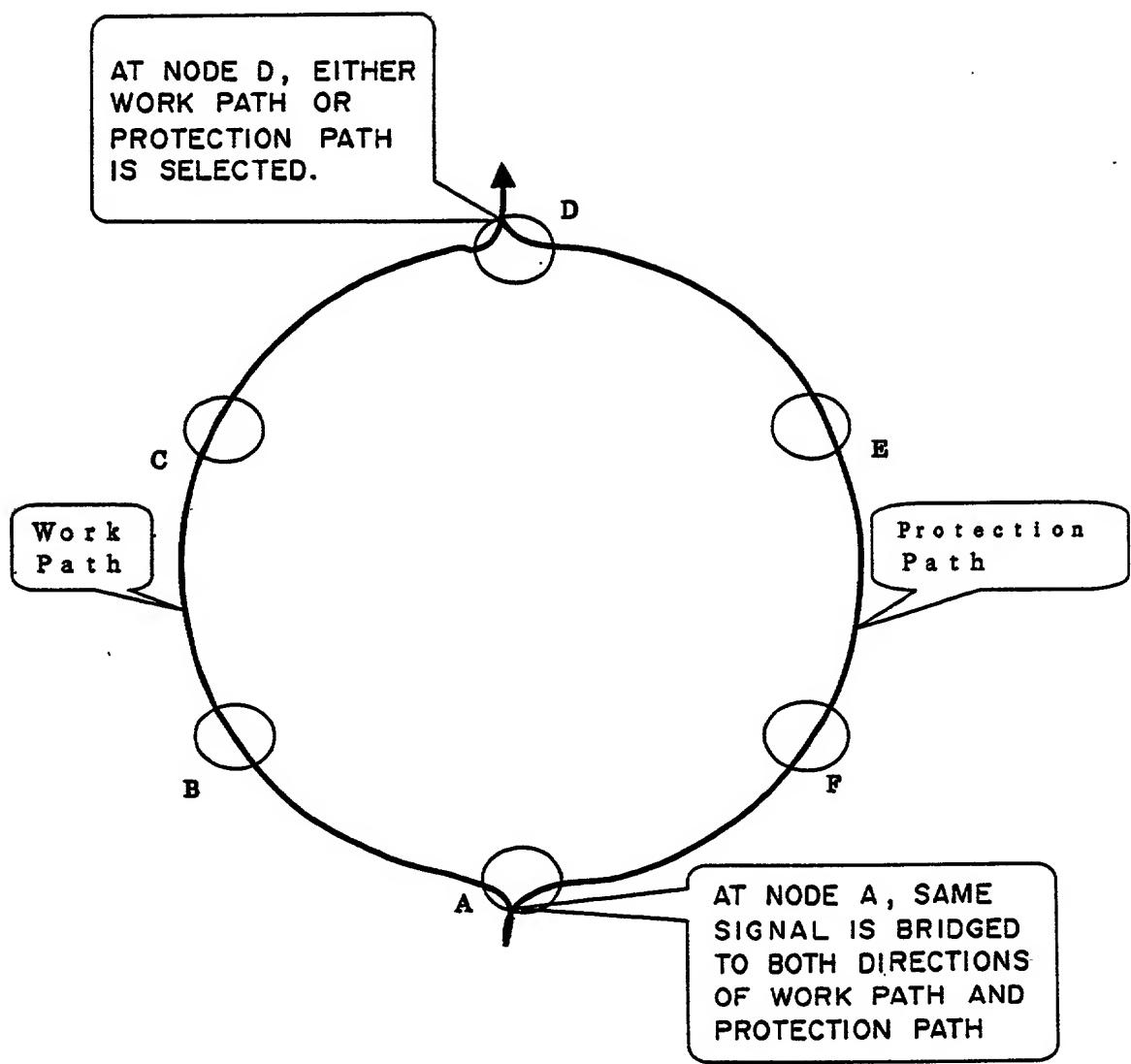


FIG. 2 PRIOR ART

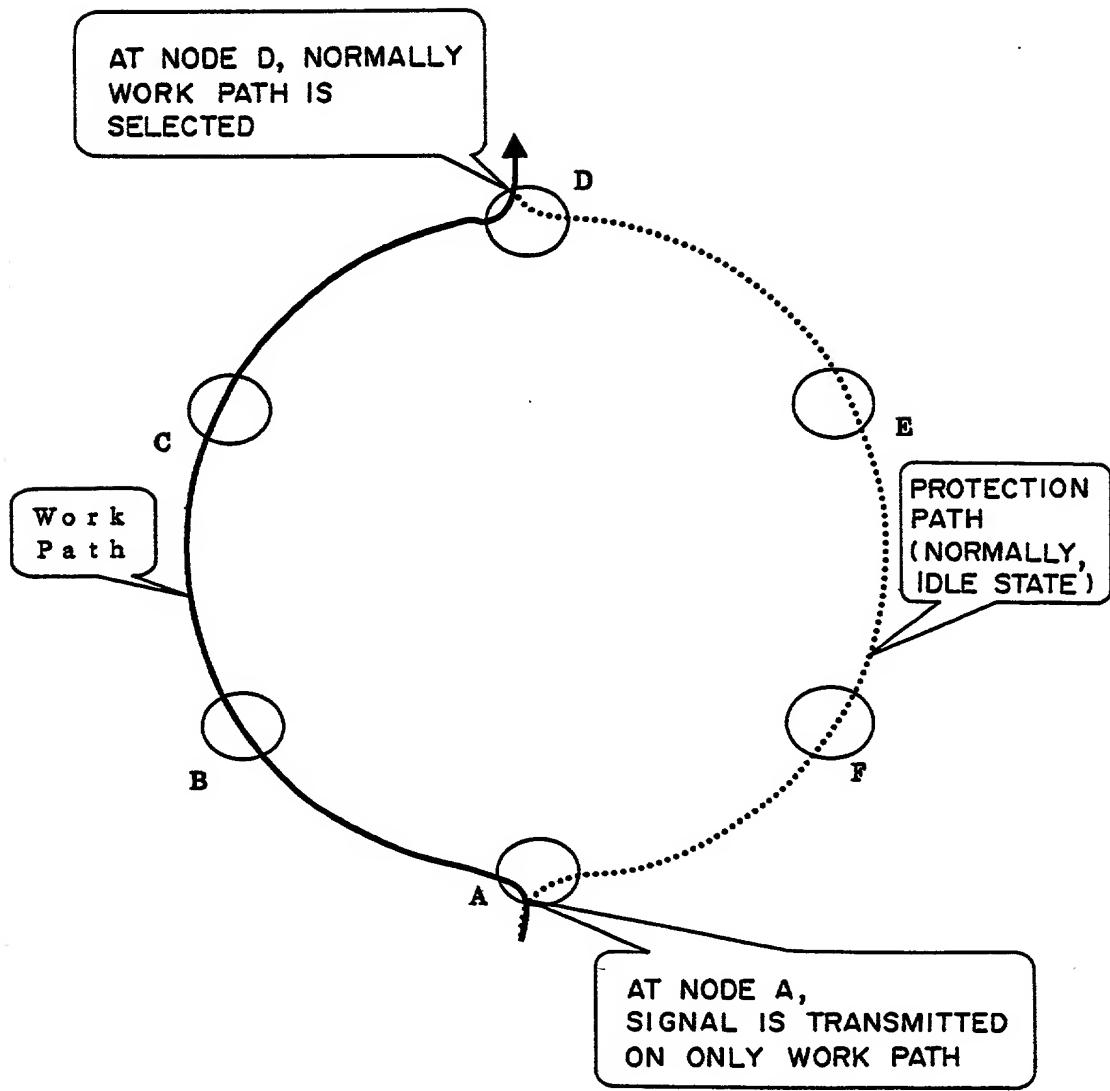


FIG. 3 PRIOR ART

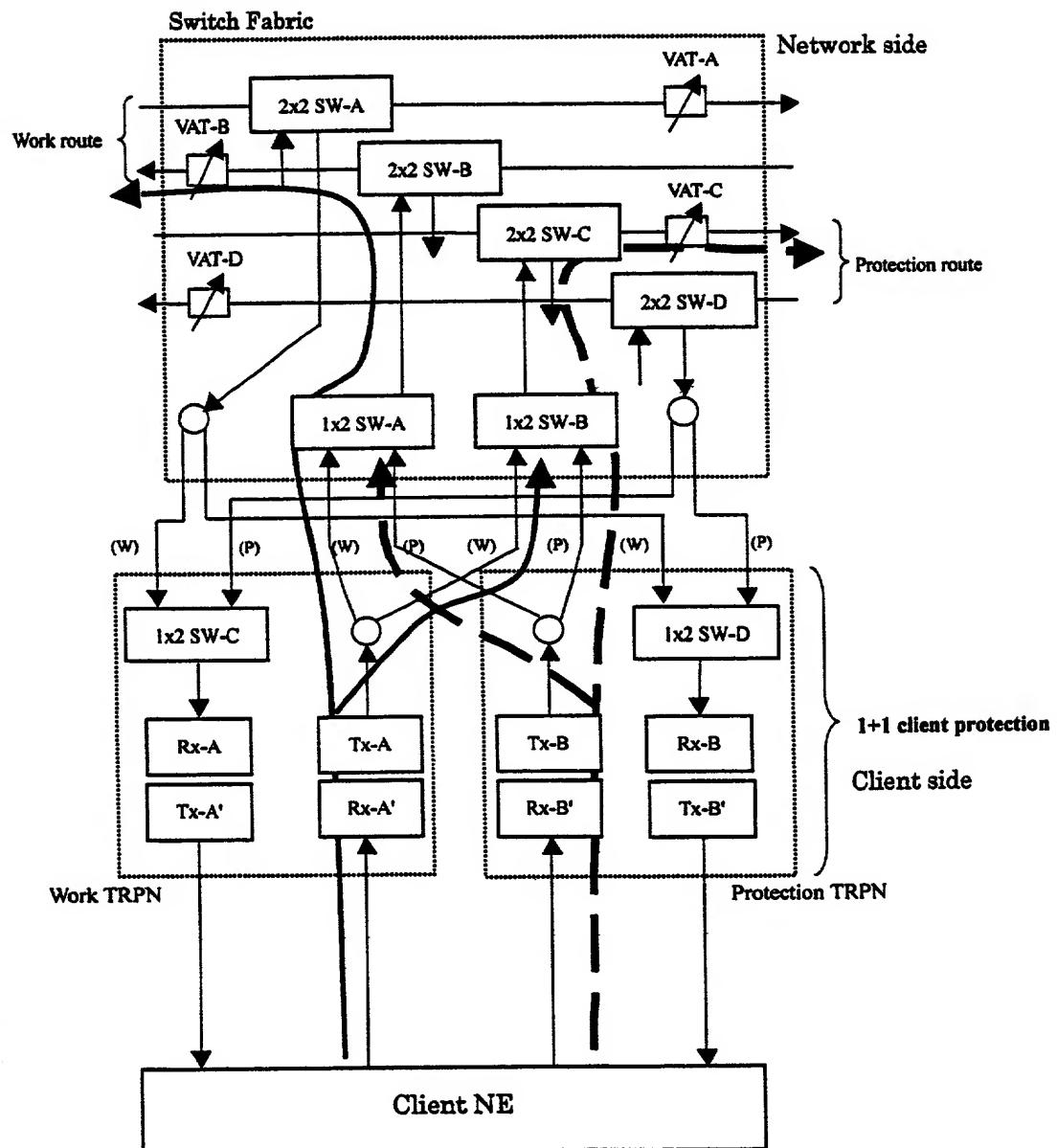


FIG. 4 PRIOR ART

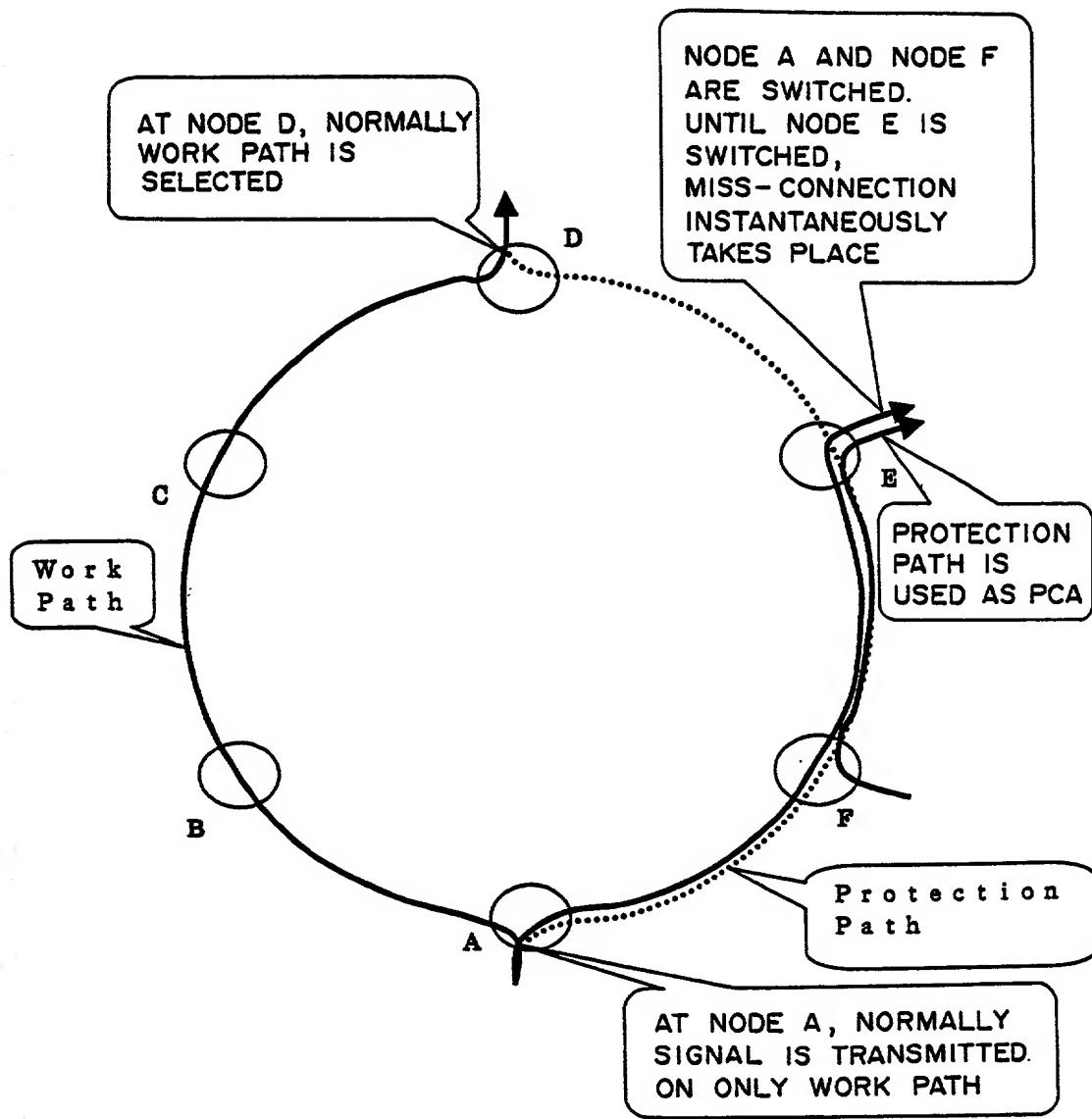
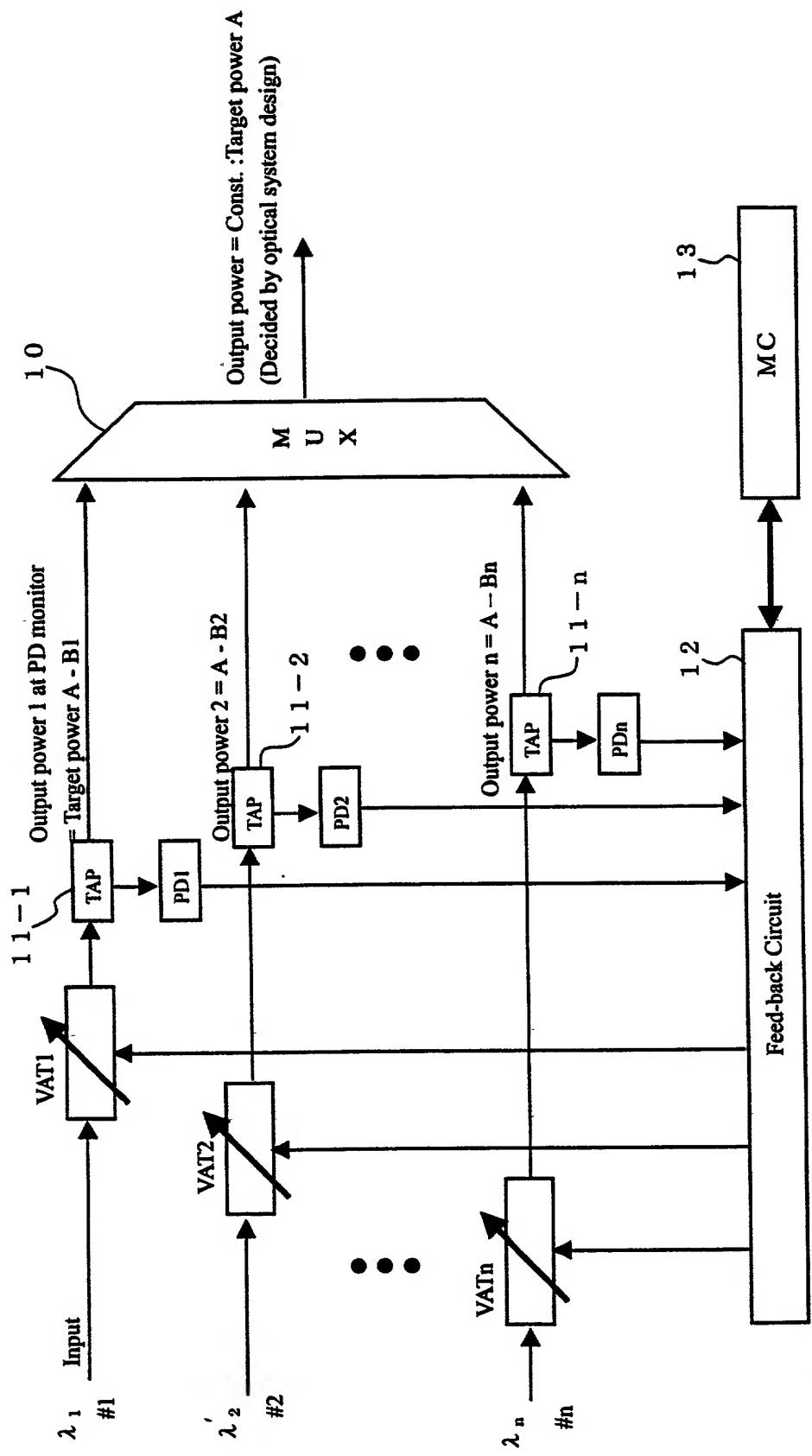


FIG. 5 PRIOR ART



A = Target power at Post Amplifier input

Bx = Off-set power value

B INCLUDES FLUCTUATION OF LOSSES OF PORTS OF AWG, TAP, AND SPLICE (CONNECTOR) AND MEASUREMENT ERROR OF PD MONITOR.

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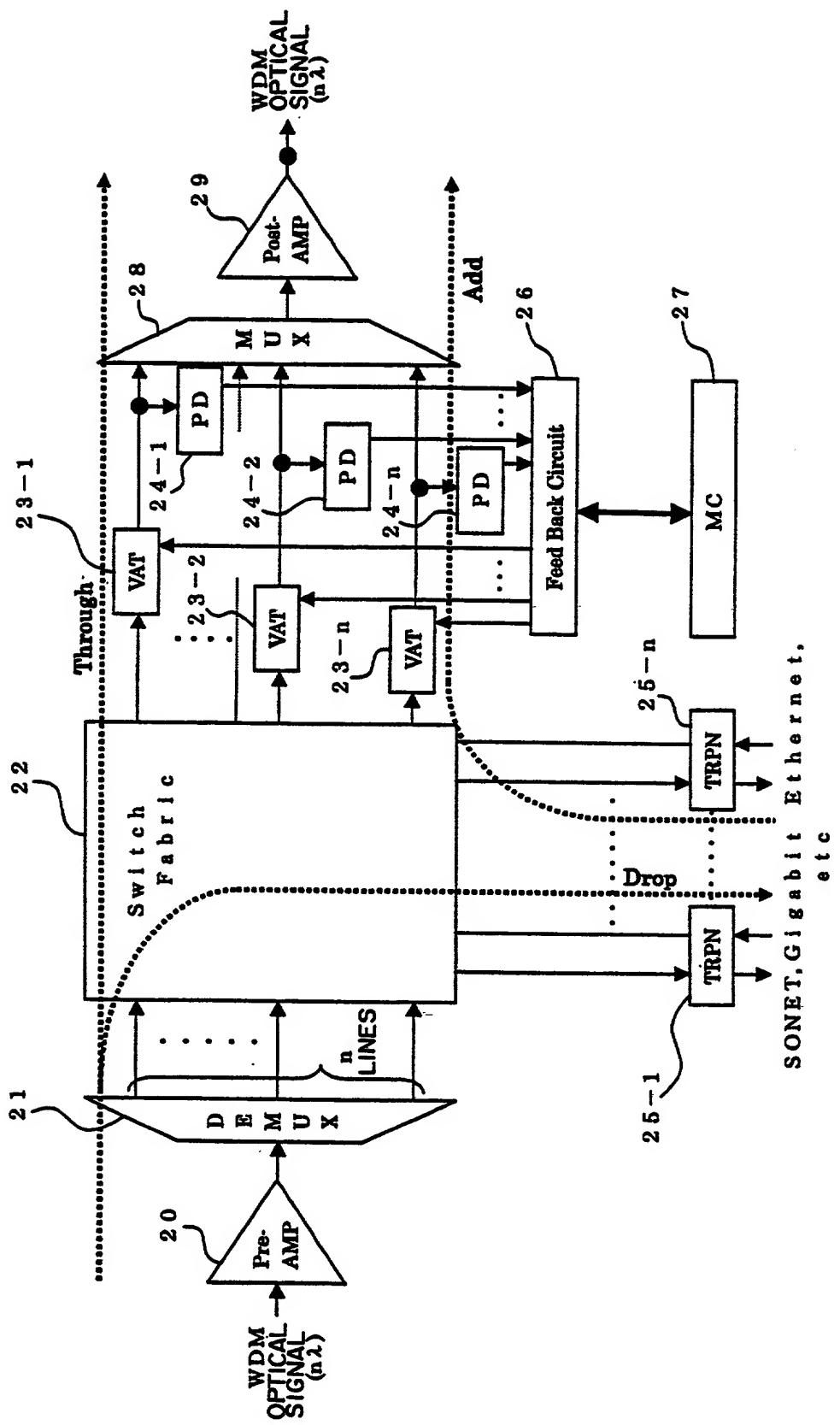


FIG. 7

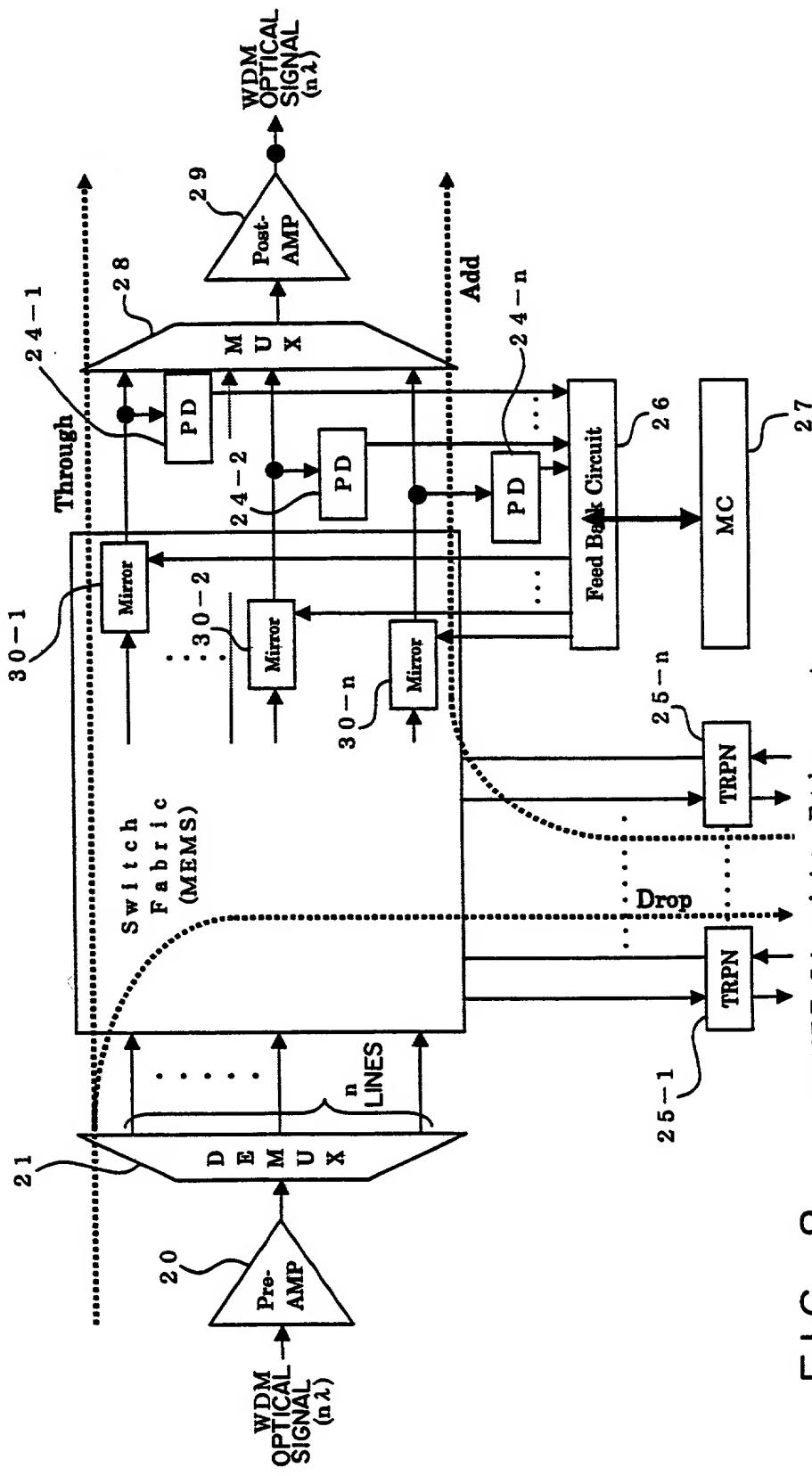


FIG. 8 SONET, Gigabit Ethernet, etc

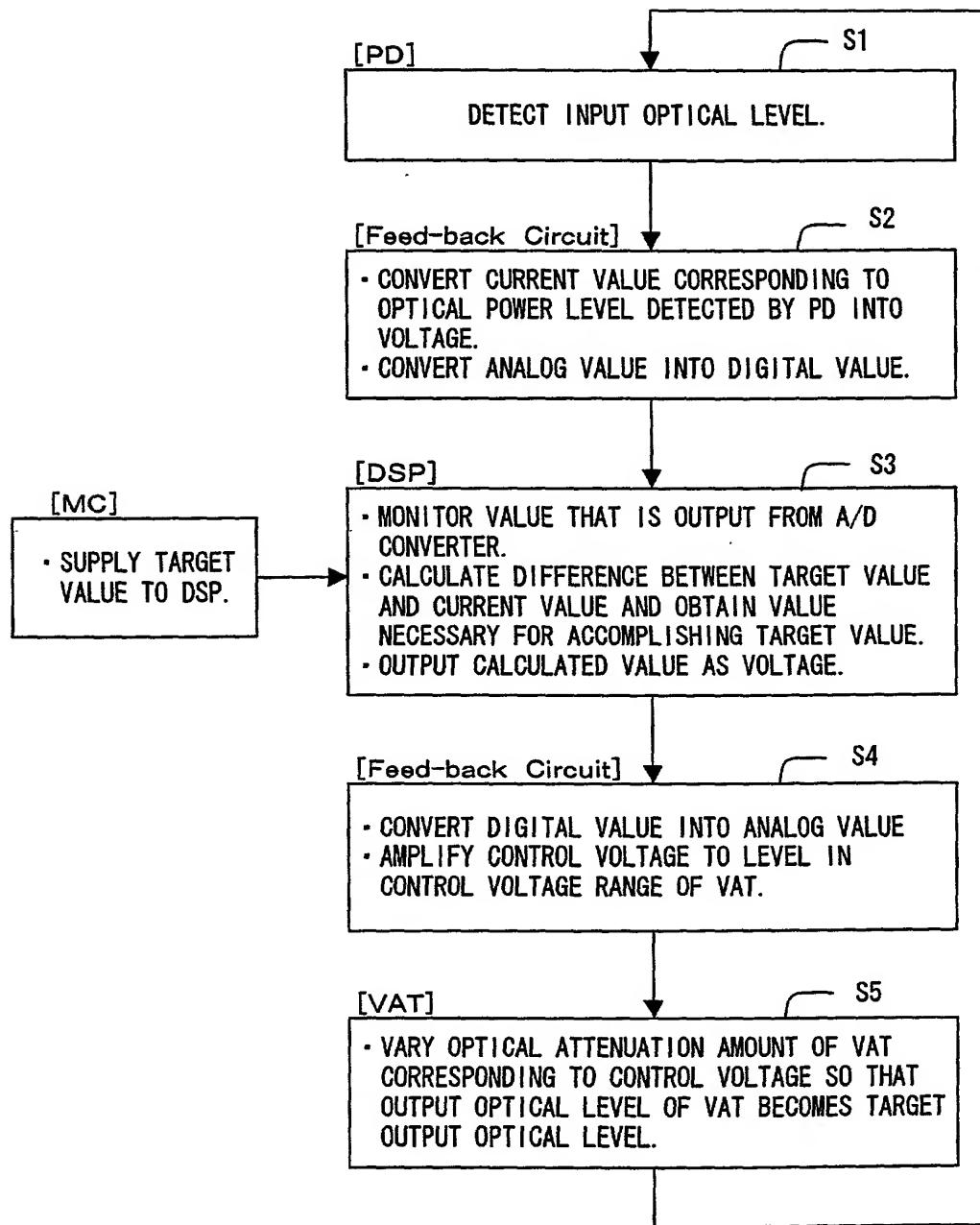


FIG. 9

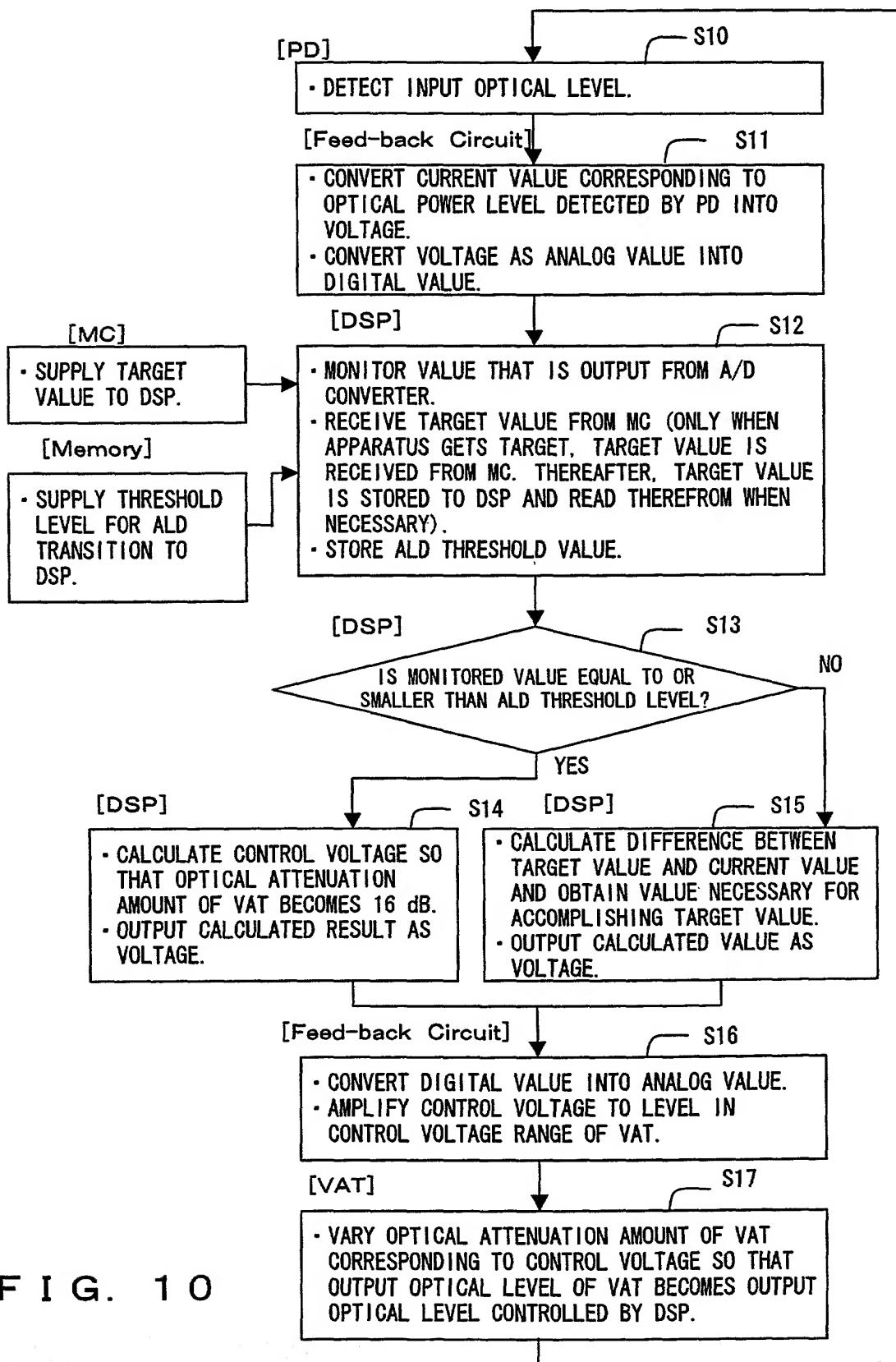


FIG. 10

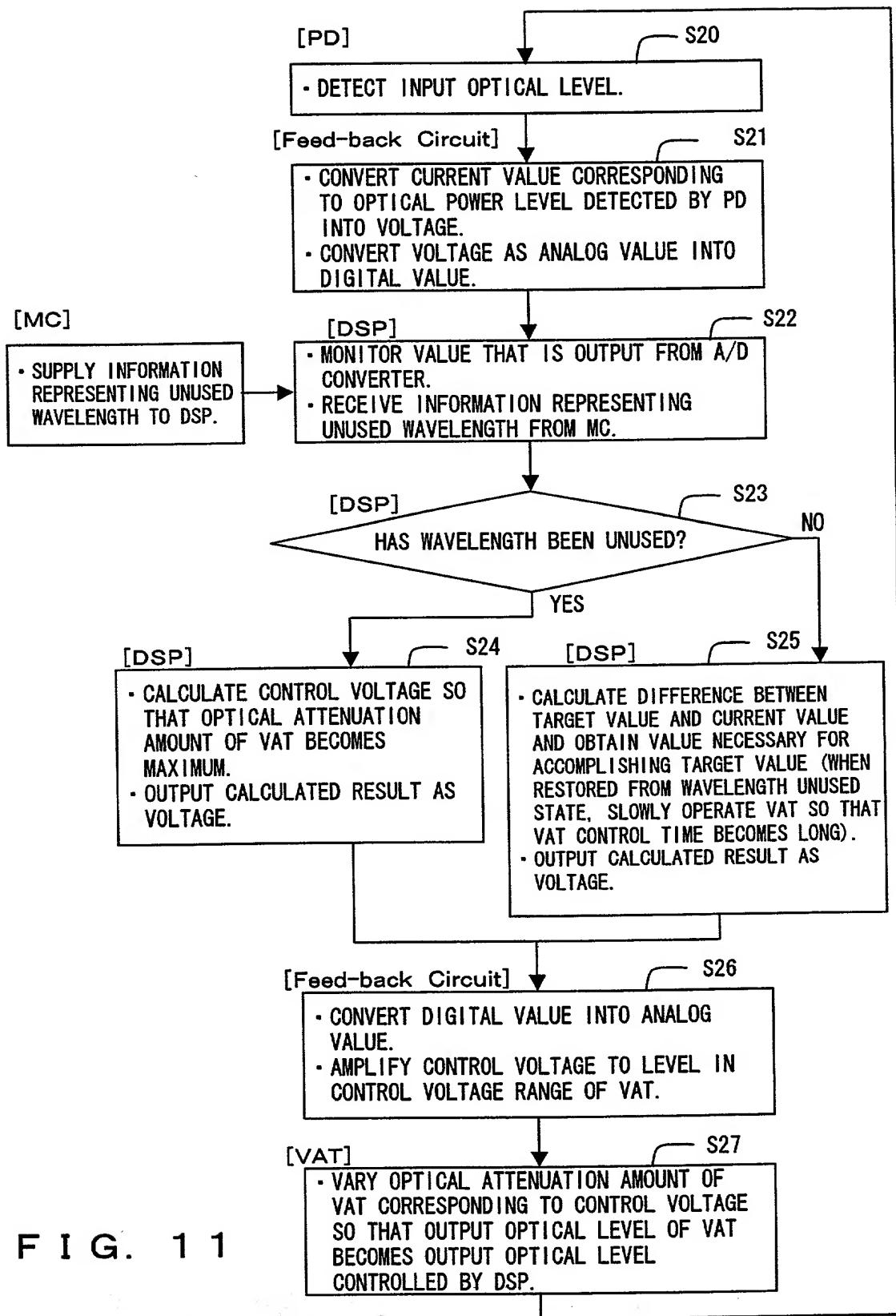


FIG. 11

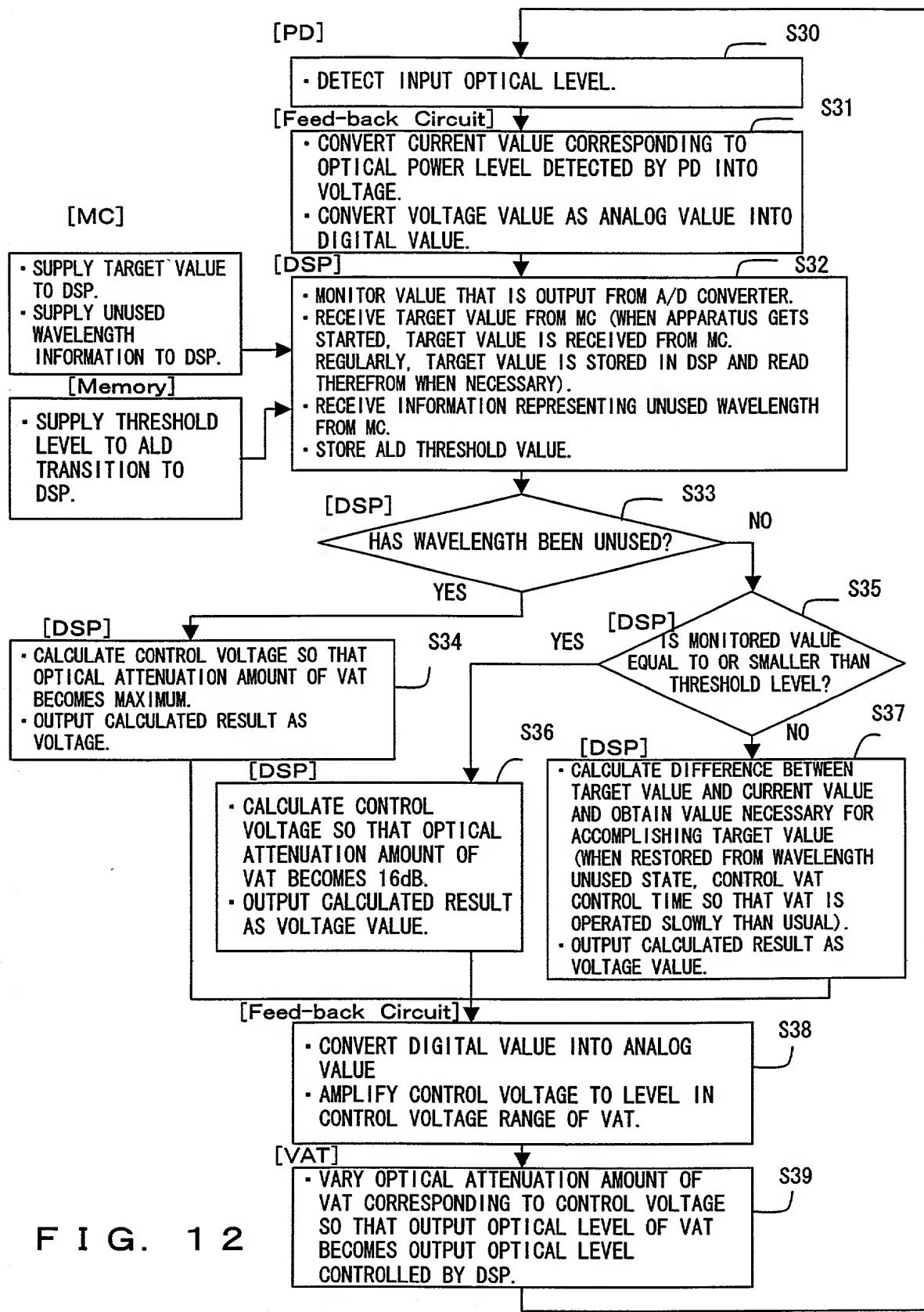


FIG. 12